




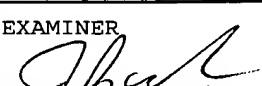
PTO-1449 REPRODUCED				ATTORNEY DOCKET NO. 1855.1070-004		APPLICATION NO.	
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>August 27, 2001</b>  (Use several sheets if necessary)				APPLICANT Michael J. Briskin et al.			
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<b>U.S. PATENT DOCUMENTS</b>							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
JMR	AA	5,985,276	16-NOV-99	Lindhofer et al.	424	136.1	
	AB	5,824,504	20-OCT-98	Elshourbagy et al.	435	69.1	
	AC	5,739,103	14-APR-98	Rollins et al.	514	8	
	AD	5,948,647	07-SEP-99	Ring, D.B.	435	69.6	
	AE	5,767,260	16-JUN-98	Whitlow et al.	536	23.4	
	AF	5,824,782	20-OCT-98	Hölzer et al.	530	391.1	
JMR	AG	5,889,157	30-MAR-99	Pastan et al.	530	387.1	
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
JMR	AL	WO 99/50670	07-OCT-99	PCT			
	AM	WO 99/27078	03-JUN-99	PCT			
	AN	WO 99/03888	28-JAN-99	PCT			
	AO	EP 0834563 A2	08-APR-98	EPO			
JMR	AP	WO 98/44098	08-OCT-98	PCT			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
JMR	AR	Lu, P.H. and R.S. Negrin, "A Novel Population of Expanded CD3 <sup>+</sup> CD56 <sup>+</sup> Cells Derived from T Cells with Potent <i>In Vivo</i> Antitumor Activity in Mice with Severe Combined Immunodeficiency," <i>J. Immunol.</i> 153(4): 1687-1696 (1994).					
	AS	Liao, F. et al., "STRL33, a Novel Chemokine Receptor-like Protein, Functions as a Fusion Cofactor for Both Macrophage-tropic and T Cell Line-tropic HIV-1," <i>J. Exp. Med.</i> 185(11): 2015-2023 (1997).					
	AT	Clapham, P.R. and R.A. Weiss, "Spoilt for Choice of Co-Receptors," <i>Nature</i> 388: 230-231 (1997).					
JMR	AU	Alkhatib, G. et al., "A New SIV Co-receptor, STRL33," <i>Nature</i> 388: 238 (1997).					
EXAMINER J. Board				DATE CONSIDERED 9/13/03			

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JWR	AV	Scarlatti, G. et al., "In Vivo Evolution of HIV-1 Co-receptor Usage and Sensitivity to Chemokine-Mediated Suppression," <i>Nature Medicine</i> 3(11): 1259-1265 (1997).					
	AW	Edinger, A.L. et al., "CD4-independent, CCR5-dependent Infection of Brain Capillary Endothelial Cells by a Neurovirulent Simian Immunodeficiency Virus Strain," <i>Proc. Natl. Acad. Sci., USA</i> 94: 14742-14747 (1997).					
~	AX	Edinger, A.L. et al., "Use of GPR1, GPR15, and STRL33 as Coreceptors by Diverse Human Immunodeficiency Virus Type 1 and Simian Immunodeficiency Virus Envelope Proteins," <i>Virology</i> 249(2): 367-378 (1998).					
	AY	Mörner, A. et al., "Primary Human Immunodeficiency Virus Type 2 (HIV-2) Isolates, Like HIV-1 Isolates, Frequently Use CCR5 but Show Promiscuity in Coreceptor Usage," <i>J. Virol.</i> 73(3): 2343-2349 (1999).					
	AZ	Zhang, Y-J. and J.P. Moore, "Will Multiple Coreceptors Need to be Targeted by Inhibitors of Human Immunodeficiency Virus Type 1 Entry?," <i>J. Virol.</i> 73(4): 3443-3448 (1999).					
	AR2	Deng, H. et al., "Expression Cloning of New Receptors Used by Simian and Human Immunodeficiency Viruses," <i>Nature</i> 388: 296-300 (1997).					
	AS2	Zhang, Y-J. et al. "Use of Coreceptors Other than CCR5 by Non-Syncytium-Inducing Adult and Pediatric Isolates of Human Immunodeficiency Virus Type 1 is Rare In Vitro," <i>J. Virol.</i> 72(11): 9337-9344 (1998).					
	AT2	Littman, D.R., "Chemokine Receptors: Keys to AIDS Pathogenesis?," <i>Cell</i> 93: 677-680 (1998).					
	AU2	Owen, S.M. et al., "Genetically Divergent Strains of Human Immunodeficiency Virus Type 2 Use Multiple Coreceptors for Viral Entry," <i>J. Virol.</i> 72(7): 5425-5432 (1998).					
	AV2	Ponath, P.D. et al., "Molecular Cloning and Characterization of a Human Eotaxin Receptor Expressed Selectively on Eosinophils," <i>J. Exp. Med.</i> 183: 2437-2448 (1996).					
JWR	AW2	Wu, L. et al., "Discrete Steps in Binding and Signaling of Interleukin-8 with Its Receptor," <i>J. Biol. Chem.</i> 271(49): 31202-31209 (1996).					
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JNR	AX2	Wu, L. et al., "CD4-Induced Interaction of Primary HIV-1 gp120 Glycoproteins with the Chemokine Receptor CCR-5," <i>Nature</i> 384:179-183 (1996).					
1	AY2	Loetscher, M. et al., "TYMSTR, A Putative Chemokine Receptor Selectively Expressed in Activated T Cells Exhibits HIV-1 Coreceptor Function," <i>Current Biology</i> 7(9):652-660 (1997).					
	AZ2	Jin, Y. et al., "The Regulation of Phenotype and Function of Human Liver CD3 <sup>+</sup> /CD56 <sup>+</sup> Lymphocytes, and Cells That Also Co-Express CD8 by IL-2, IL-12 and Anti-CD3 Monoclonal Antibody," <i>Human Immunology</i> 59: 352-362 (1998).					
	AR3	Goldman, L.A. et al., "Modifications of Vectors pEF-BOS, pCDNA1 and pCDNA3 Result in Improved Convenience and Expression," <i>Biotechniques</i> 21(6):1013-1015 (1996).					
	AS3	Sornasse, T. et al., "Differentiation and Stability of T Helper 1 and 2 Cells Derived from Naive Human Neonatal CD4 <sup>+</sup> T Cells, Analyzed at the Single-cell Level," <i>J. Exp. Med.</i> 184:473-483 (1996).					
	AT3	Wu, L., et al. "CCR5 Levels and Expression Pattern Correlate with Infectability by Macrophage-tropic HIV-1, In Vitro," <i>J. Exp. Med.</i> 185(9):1681-1691 (1997).					
	AU3	Yoshie, O., et al. "Novel Lymphocyte-Specific CC Chemokines and Their Receptors," <i>J. Leukoc. Biol.</i> , 62:634-644 (1997).					
	AV3	GenBank Accession No. AA290712, "zt18a10.r1 Soares Ovary Tumor NbHOT Homo sapiens cDNA Clone IMAGE:713466 5', mRNA Sequence," (1997) [online], [retrieved on 7/14/99]. Retrieved from the Internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
	AW3	GenBank Accession No. AA283690, "zt18a10.s1 Soares Ovary Tumor NbHOT Homo sapiens cDNA Clone IMAGE:713466 3' Similar to Contains Element LTR8 Repetitive Element; mRNA Sequence," (1997) [online], [retrieved on 7/14/99]. Retrieved from the Internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
JNR	AX3	GenBank Accession No. AI312518, "qp10a09.x1 NCI_CGAP_Kid5 Homo sapiens cDNA Clone IMAGE:1917592 3' Similar to Contains Alu Repetitive Element; Contains Element MSR1 Repetitive Element; mRNA Sequence," (1999) [online], [retrieved on 7/14/99]. Retrieved from the Internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
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one	AY3	GenBank Accession No. AA366329, "EST77447 Pancreas Tumor III Homo sapiens cDNA 5' End, mRNA Sequence," (1997) [online], [retrieved on 7/14/99]. Retrieved from the Internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
	AZ3	GenBank Accession No. AA146672, "zo33b12.r1 Stratagene Colon (#937204) Homo sapiens cDNA Clone IMAGE:588671 5', mRNA Sequence," (1996) [online], [retrieved on 7/14/99]. Retrieved from the Internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
	AR4	GenBank Accession No. F14505, "SSC1C52 Porcine Small Intestine cDNA Library Sus scrofa cDNA, mRNA Sequence," (1996) [online], [retrieved on 7/14/99]. Retrieved from the Internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
	AS4	GenBank Accession No. F23105, "SSC21H07 Porcine Small Intestine cDNA Library Sus scrofa cDNA Clone c21h07 5', mRNA Sequence," (1998) [online], [retrieved on 7/14/99]. Retrieved from the Internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
	AT4	GenBank Accession No. AI019535, "ua90a07.r1 Soares Mouse Mammary Gland NbMMG Mus musculus cDNA Clone IMAGE:1364724 5', mRNA Sequence," (1998) [online], [retrieved on 7/14/99]. Retrieved from the Internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
	AU4	GenBank Accession No. AA121716, "zn95c09.r1 Stratagene Fetal Retina 937202 Homo sapiens cDNA Clone, IMAGE:565936 5', mRNA Sequence" (1997) [online], [retrieved on 7/14/99]. Retrieved from the Internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
	AV4	GenBank Accession No. AA130776, "zo13d05.r1 Stratagene Colon (#937204) Homo sapiens cDNA Clone IMAGE:586761 5', mRNA Sequence," (1997) [online], [retrieved on 7/14/99]. Retrieved from the Internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
	AW4	GenBank Accession No. AA130627, "zo13d05.s1 Stratagene Colon (#937204) Homo sapiens cDNA Clone IMAGE:586761 3' Similar to gb:M91159 !!!! ALU CLASS E WARNING ENTRY !!!! (HUMAN); Contains Element PTR5 Repetitive Element; mRNA Sequence," (1997) [online], [retrieved on 7/14/99]. Retrieved from the Internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
	AX4	Chuntharapai, A. and Kim, K.J., "Generation of Monoclonal Antibodies to Chemokine Receptors," <i>Methods in Enzymology</i> , 288:15-27 (1997).					
OK	AY4-	STRL 33/Bonzo Monoclonal Antibody MAB699, de novo, New Products from R&D Systems, p.7 (1999).					
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JIR	AZ4	Monoclonal Anti-human STRL 33/Bonzo Antibody, Technical Information, R&D Systems, Inc. (1999).					
JIR	AR5	Shimaoka, T. et al., "Molecular Cloning of a Novel Scavenger Receptor for Oxidized Low Density Lipoprotein, SR-PSOX, on Macrophages," <i>J. Biol. Chem.</i> 275(52):40663-40666 (2000).					
JIR	AS5	GenBank Accession No. AW347794, "32031 MARC 2PIG Sus scrofa cDNA 5', mRNA Sequence gi 6845504 gb AW347794.1 AW347794[6845504]," (2000) [online], [retrieved on 11/28/2000]. Retrieved from the internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
JIR	AT5	GenBank Accession No. AW261653, "um90c04.x1 Sugano Mouse Kidney mkia Mus musculus cDNA Clone IMAGE:2332038 3', mRNA Sequence gi 6638469 gb AW261653[6638469]," (2000) [online], [retrieved on 11/28/2000]. Retrieved from the internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
JIR	AU5	Matloubian M. et al., "A Transmembrane CXC Chemokine is a Ligand for HIV-Coreceptor Bonzo," <i>Nature Immunol.</i> 1(4):298-304 (2000).					
JIR	AV5	Sharron, M. et al., "Expression and Coreceptor Activity of STRL33/Bonzo on Primary Peripheral Blood Lymphocytes," <i>Blood</i> 96(1):41-49 (2000).					
JIR	AW5	Unutmaz, D. et al., "The Primate Lentiviral Receptor Bonzo/STRL33 is Coordinately Regulated with CCR5 and its Expression Pattern is Conserved Between Human and Mouse," <i>J. Immunol.</i> 165(6):3284-3292 (2000).					
JIR	AX5	Ignatius, R. et al., "The Immunodeficiency Virus Coreceptor, Bonzo/STRL33/TYMSTR, is Expressed by Macaque and Human Skin- and Blood-Derived Dendritic Cells," <i>AIDS Research and Human Retroviruses</i> 16(11):1055-1059 (2000).					
JIR	AY5	Copy of Priority Document for WO 99/27078, United States Application No. 60/066,369 entitled "Chemokine Alpha-5", by Wei, Y-F. et al., filed November 21, 1997.					
JIR	AZ5	GenBank Accession No. M25897, "Human Platelet Factor 4 (PF4) mRNA, Complete Cds," (1995) [online], [retrieved on 03/30/2001]. Retrieved from the internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
JIR	AR6	GenBank Accession No. AF007545, "Homo sapiens SIV/HIV Receptor Bonzo (Bonzo) mRNA, Complete Cds," (1997) [online], [retrieved on 03/30/2001]. Retrieved from the internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
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JR	AS6	GenBank Accession No. U73531, "Human G Protein-Coupled Receptor STRL33.1 (STRL33) mRNA, Complete Cds," (1997) [online], [retrieved on 11/24/1999]. Retrieved from the internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
1	AT6	GenBank Accession No. NM_006564, "Homo sapiens G Protein-Coupled Receptor (TYMSTR) mRNA," (1999) [online], [retrieved on 11/24/1999]. Retrieved from the internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
Jm	AU6	GenBank Accession No. U73529, "Human G Protein-Coupled Receptor STRL33.3 (STRL33) mRNA, Complete Cds," (1997) [online], [retrieved on 11/24/1999]. Retrieved from the internet: <URL: <del>http</del> ://www.ncbi.nlm.nih.gov>.					
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